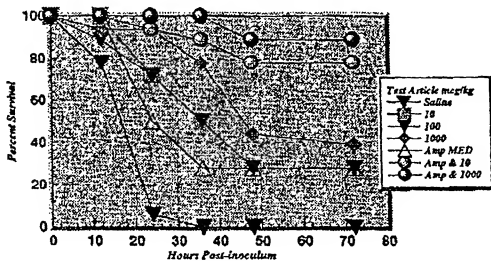


Fig. 2

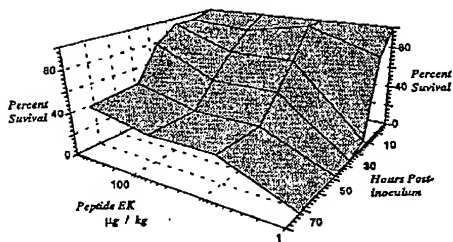
*Peptide EK Influence on Percent Survival for Mice Administered
10 x LD50 S. aureus with and without Ampicillin
Co-administration*



Indicated Peritonitis, 18 mice per group including controls

Fig. 3

*Peptide EK Influence on Percent Survival for Mice Administered
10 x LD50 S. aureus without Ampicillin*



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Fig. 4

*Peptide EK Influence on Percent Survival for Mice Administered
10 x LD50 S. aureus with the Co-administration
of Ampicillin MED*

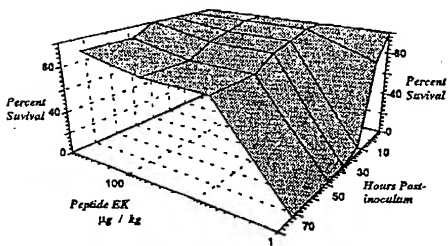


Fig. 5

Microorganism LD₅₀ Determination in Mice:

Infecting Microorganism (S. aureus, MR)

10 g Mucin/100 ml saline

↓

↓

Brain-heart infusion broth concentrated
1.5 fold (Shake at 30° C, 2 hours)

Adjust to pH 6.8
(with 1% NaOH)

↓

↓

Centrifuge 3000 rpm, 20 min

Sterilization 120° C,
30 min

↓

↓

↓

↓

Discard

Supernatant

Resuspend in BHI

10 % mucin solution

↓

↓

↓

↓

LD₅₀ Determination
10 x LD₅₀ dose inoculum for Ampicillin i.p.
administered to each test group

↓

Test Substance Evaluation

Inoculum Dose 10 x LD₅₀ i.p. in mice

↓

i.p. Administer Ampicillin (animals
pretreated with HM897 dose 1000, 100, 10 µg/kg)

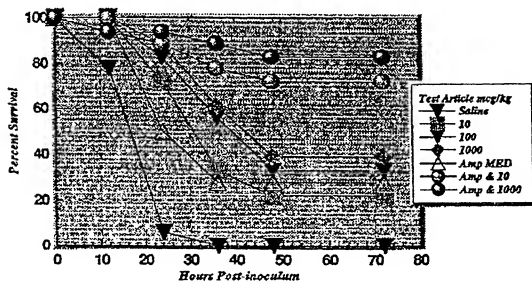
↓

↓

Survival Percent 72 hours

Fig. 6

**Peptide HM897 Influence on Percent Survival for Mice Administered
10 x LD50 *S. aureus* with and without Ampicillin
Co-administration**



Induced Peritonitis, 18 mice per group including controls

Fig. 7

*Peptide HM897 Influence on Percent Survival for Mice Administered
10 x LD50 S. aureus without Ampicillin*

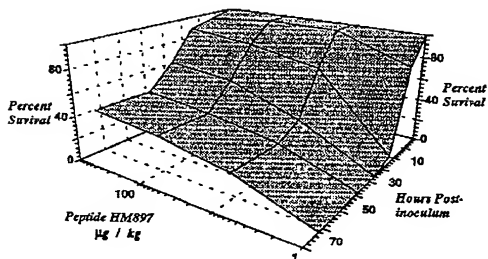
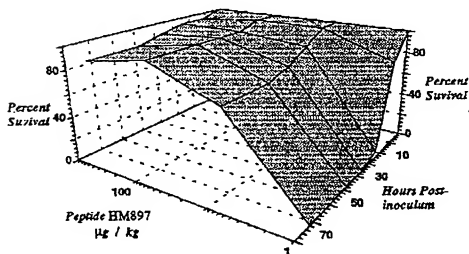


Fig. 8

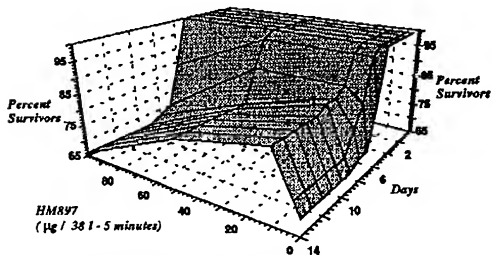
*Peptide HM897 Influence on Percent Survival for Mice Administered
10 x LD50 S. aureus with the Co-administration
of Ampicillin MED*



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Fig. 9

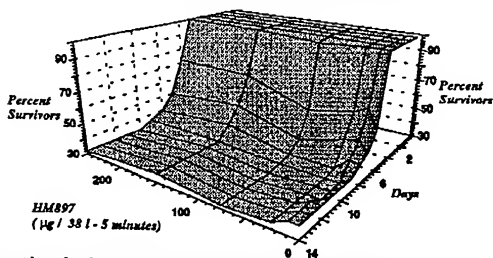
**HM897 Influence on Percent Survivors for Vaccinated
Rainbow Trout Infected with *Vibrio anguillarum***



* 50 trout inoculated with *Vibrio anguillarum* 7 days after a 5 minute exposure to Test Article in a 38 liter tank per study group

Fig. 10

*HM897 Influence on Percent Survivors for Rainbow Trout
Infected with *Vibrio anguillarum**



* 50 trout inoculated with *Vibrio anguillarum* 7 days after a 5 minute exposure to Test Article in a 38 liter tank per study group